



# Acer Aspire V5-571 Cooling System Replacement

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## INTRODUCTION

How to disassemble the laptop, clean or replace the Cooling system or the Fan and change CPU Thermal Compound / Grease. This will help you if your system overheats or switch off randomly.

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[video: <http://youtu.be/mrKPisD7H0U>]

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### TOOLS:

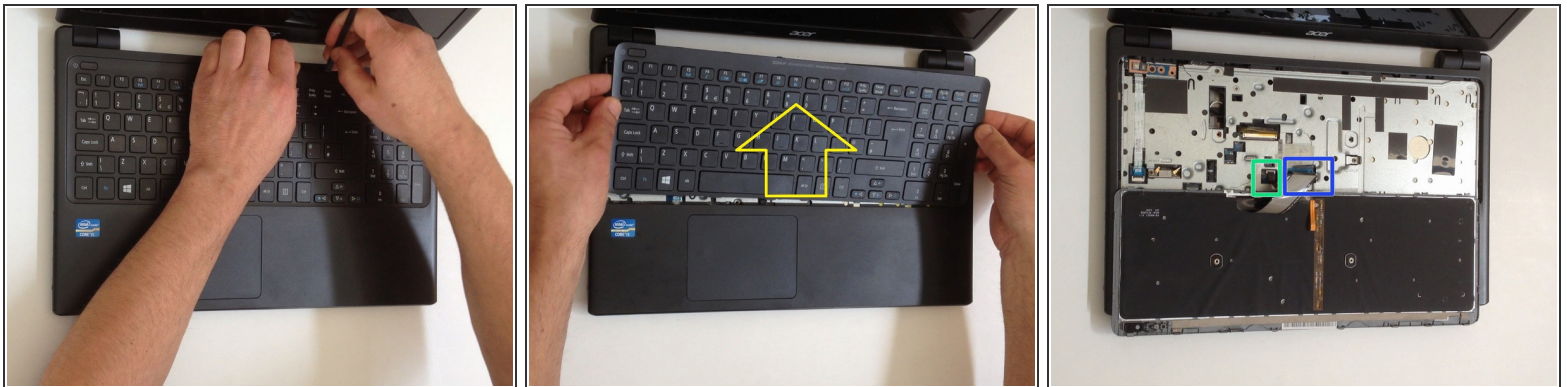
- [Phillips #0 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
  - [iFixit Opening Picks set of 6](#) (1)
  - [Spudger](#) (1)
  - [Isopropyl Alcohol 99%](#) (1)
  - [Arctic Silver Thermal Paste](#) (1)
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## Step 1 — Keyboard



- Turn off the laptop and remove the battery.
- Remove two screws securing the Keyboard.
- The Keyboard is held by two locking clips, under the battery. Use the sharp tip of a plastic tool to release the keyboard.

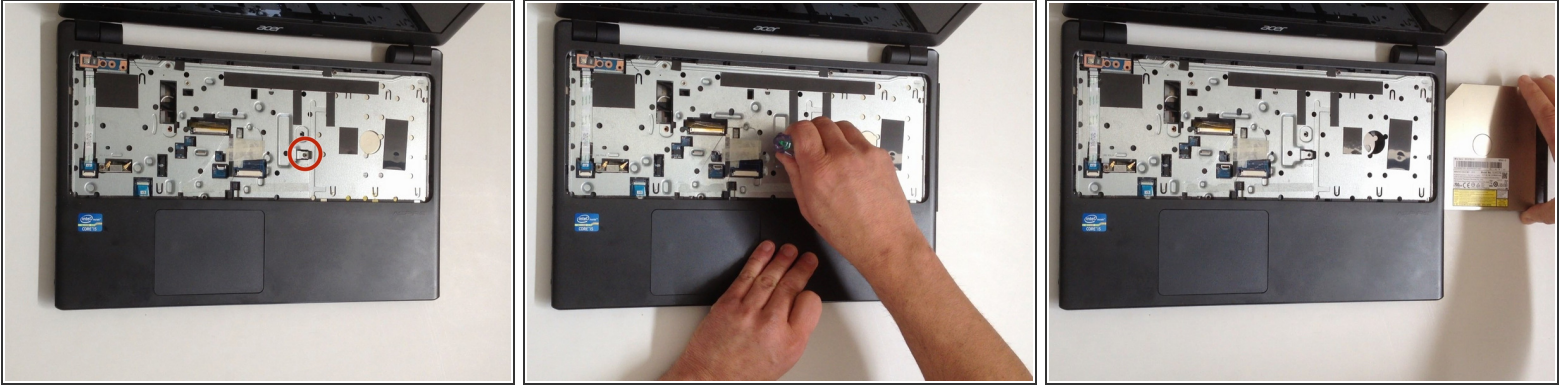
## Step 2



- Remove the Keyboard and disconnect the two flex cables:
  - Keyboard flex cable
  - Keyboard Light flex cable

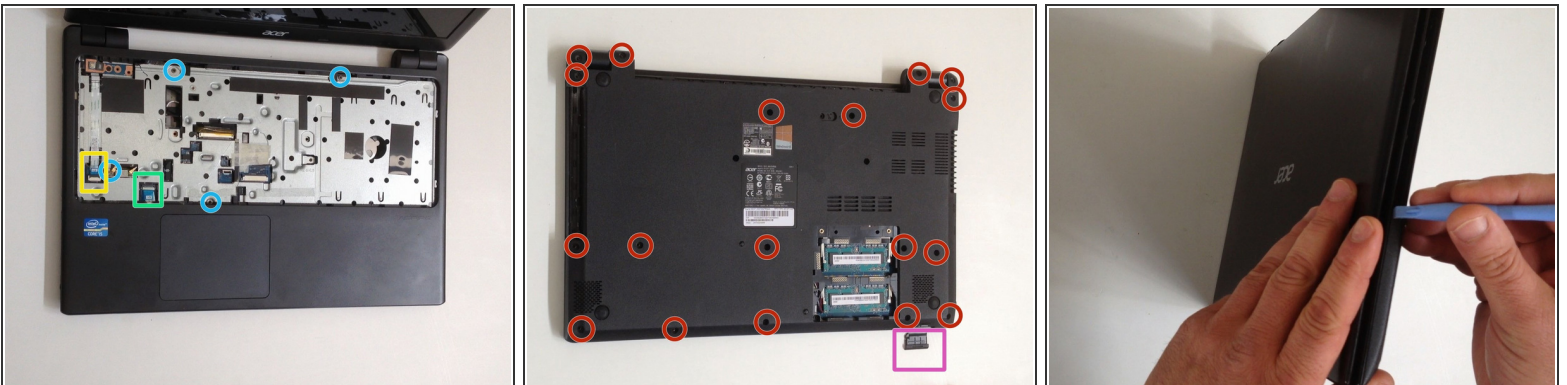
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### Step 3 — Optical Drive



- Remove the screw securing the Optical drive and gently press the drive to show slightly as at the second pic.
- Slide the drive to the left and remove it.

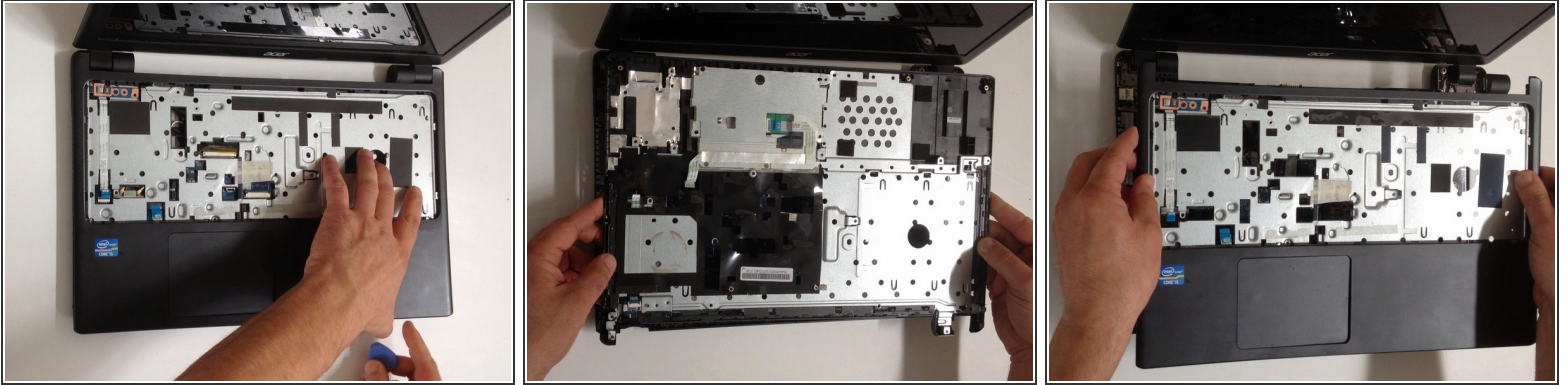
### Step 4 — Upper Cover



- Remove 4x phillips screws and disconnect:
  - Power On button flex cable
  - Touch pad flex cable
- Remove 18x Phillips screws from the bottom cover.
- Remove any memory SD Card from the Card reader.
- Start opening with a plastic opening tool.

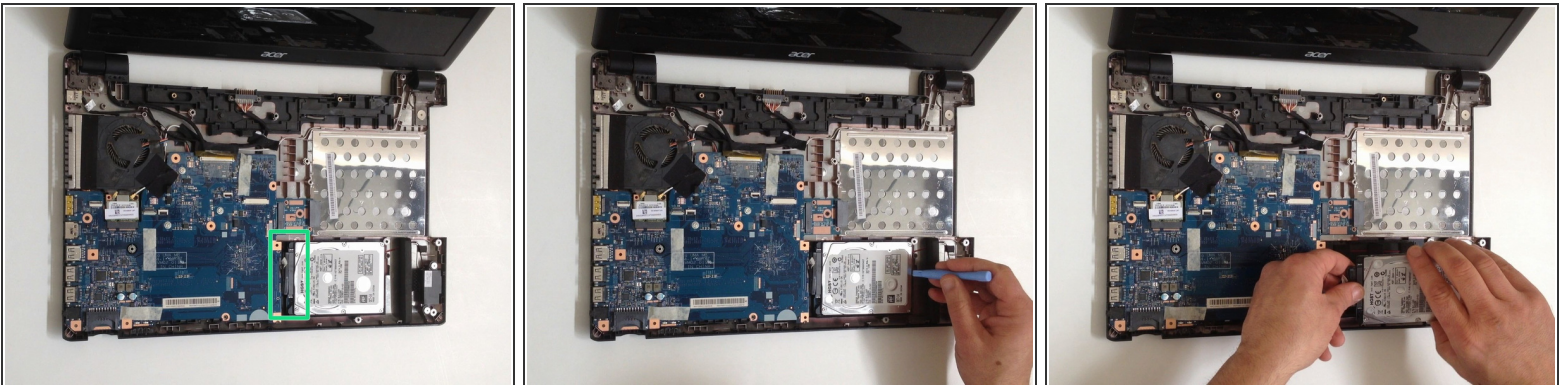


## Step 5



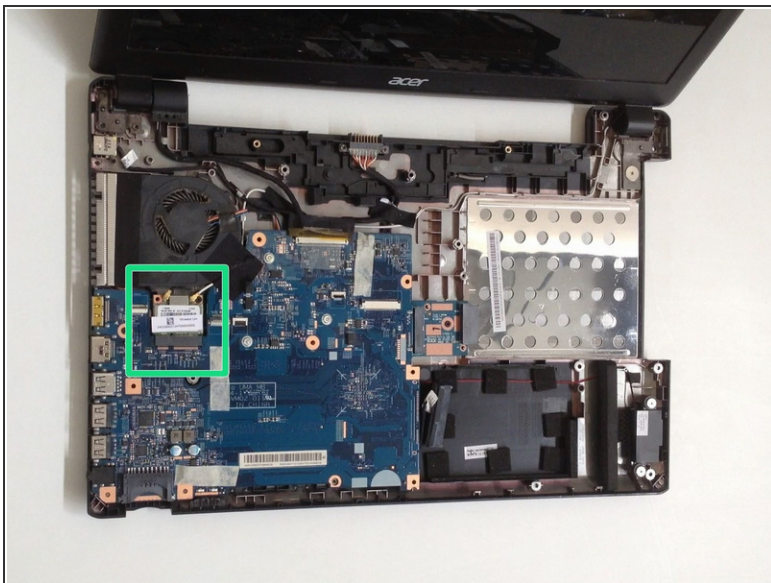
- Carefully separate the upper cover and remove it.

## Step 6 — HDD (Hard Disk Drive)



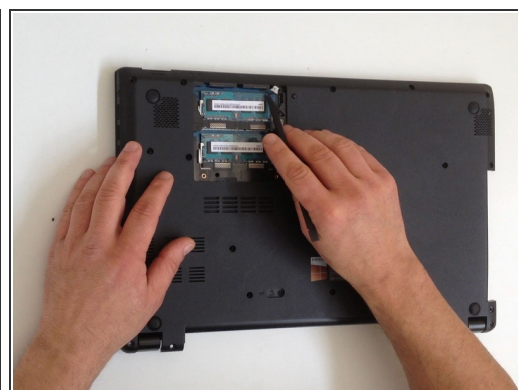
- Gently remove the HDD and disconnect the SATA cable from it.
- [Please SUBSCRIBE to my channel ツ](#)

## Step 7 — Wi-Fi Half Mini PCIe card



- Remove one Phillips screw, securing the WLAN card and disconnect the two coaxial antenna cables.
- Remove the Wi-Fi card.

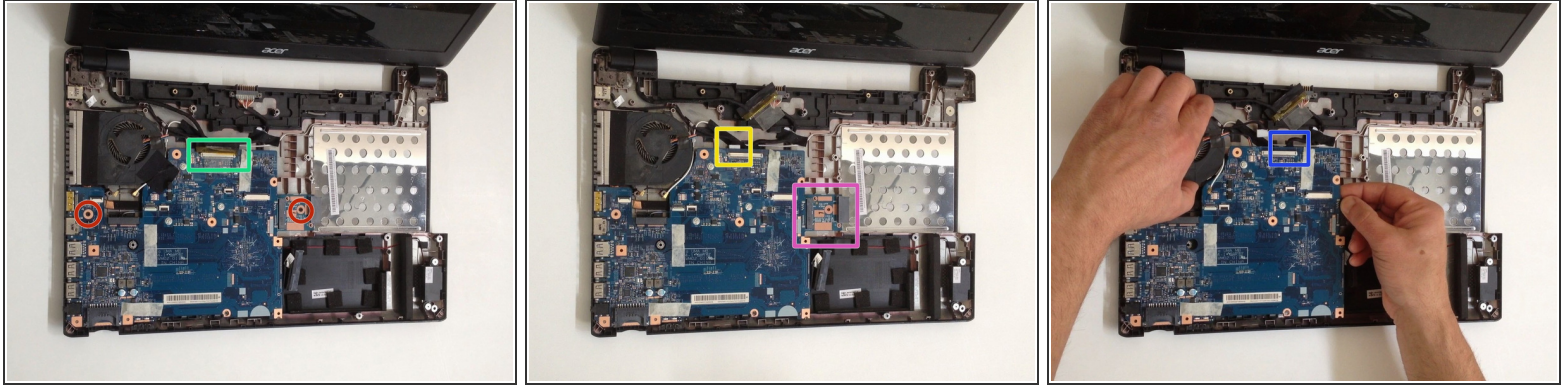
## Step 8 — Mother Board



- Remove the Memory Cover.
- Disconnect the Loudspeaker cable connector.

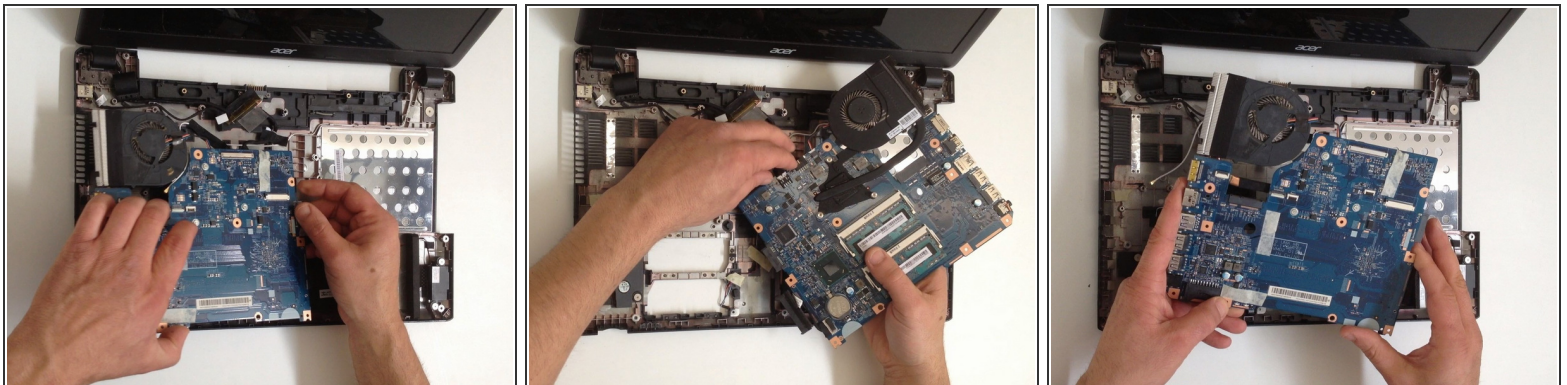


## Step 9



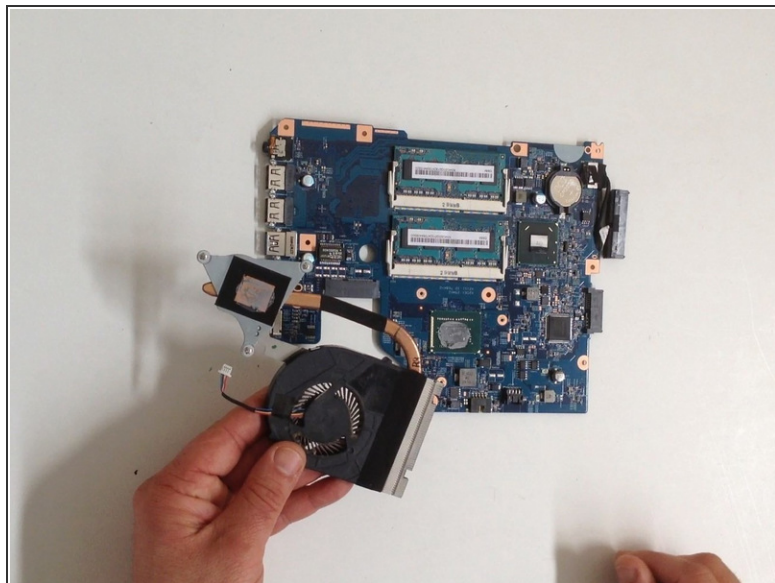
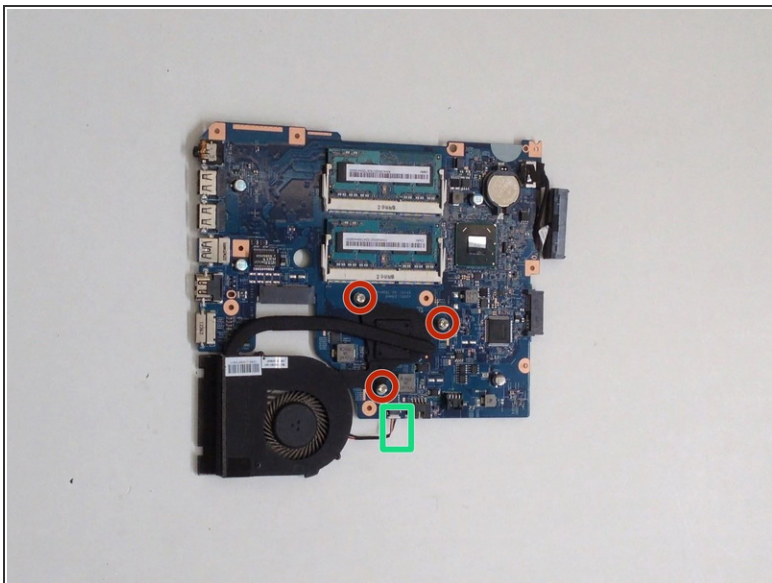
- Remove two Phillips screw from the Mother board and from the Optical drive SATA adapter.
- Disconnect the LCD Display flex cable.
- Disconnect the DC Jack cable.
- Carefully remove the Optical drive SATA adapter.
- We will disconnect the battery cable when we pick up the board.

## Step 10



- Carefully pick up the Mother board and disconnect the Battery cable.

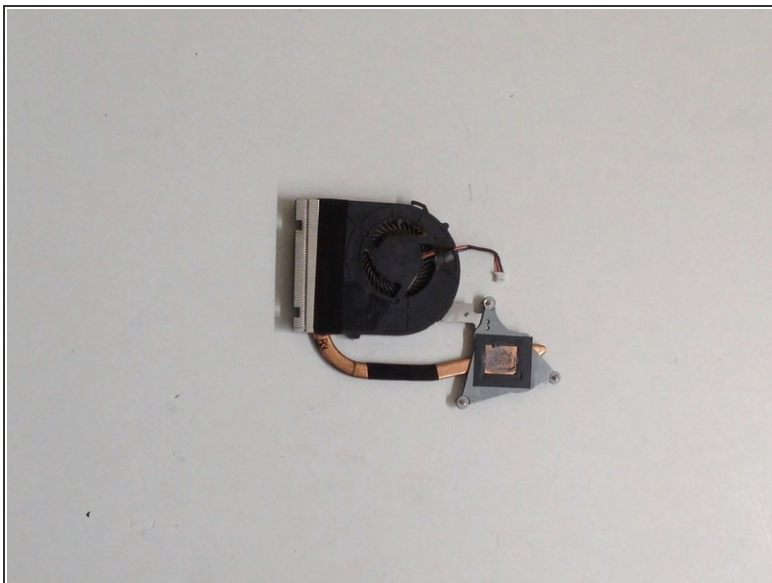
## Step 11 — Cooling System and CPU Thermal Paste Replacement



- Disconnect the Fan cable.
- Unscrew the screws that hold the Cooling system to the Mother board.
- Carefully lift the Cooling system right up.



## Step 12

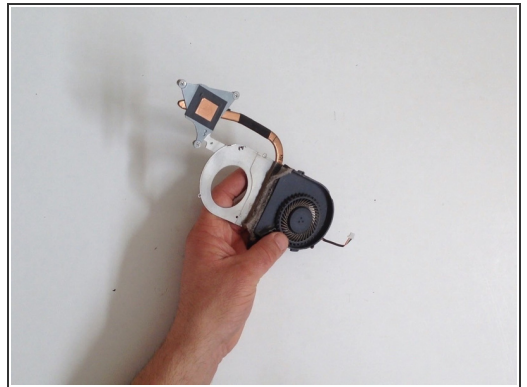
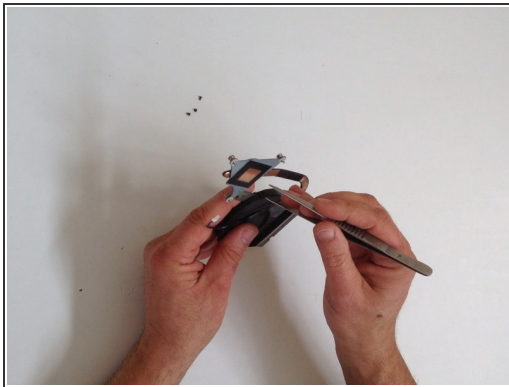


- Use a lint-free cloth to clean the old thermal compound.

⚠ If the thermal compound is solidified, you can use a flat end of any plastic tool to scrape it off.

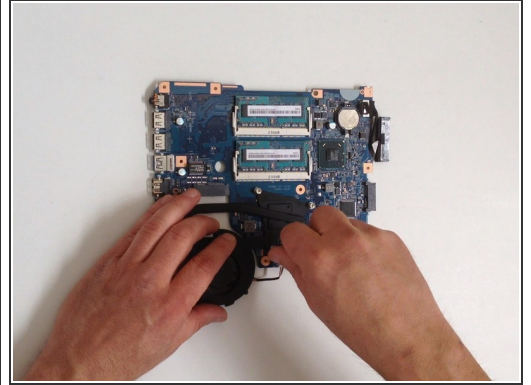
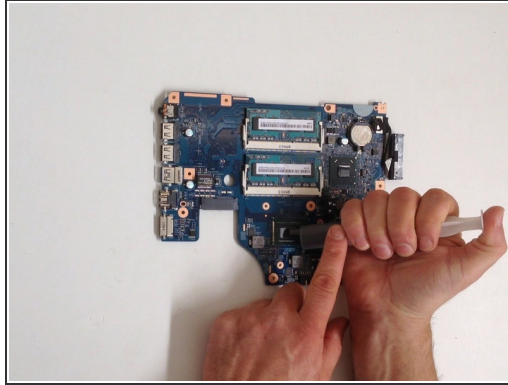
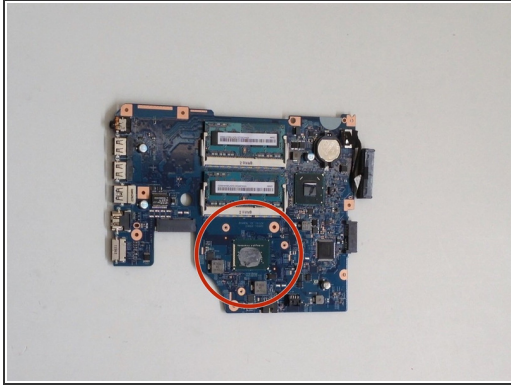
- Use again cloth with isopropyl alcohol to clean the Thermal surface.
- Remove three Philips screws held the Fan shield.

## Step 13



- Unstick the black tape that hold the Fan to the cooler.
- Unlock the clip and open the Fan case.
- ⓘ Use a soft brush and clean the Fan and the Cooler
- Close the Fan system.

## Step 14



- Use the same technic to clean the surface of the processor from the old thermal compound

⚠ Be carefully, if you don't want to break the CPU.

- Dispense a small amount of thermal compound and gently smear it over the entire processor surface.
- .
- .
- .
- **Did you do it successful?**

To reassemble your device, follow these instructions in reverse order.

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